Plumbing Fixture Piping Schedule

FIXTURE TYPE	MINIMUM BRANCH PIPE SIZE *				CONNECTION SIZE (VERIFY)		REMARKS
	WASTE	VENT	COLD WATER	HOT WATER	COLD WATER	HOT WATER	
WATER CLOSET (FLUSH VALVE)	4"	2"	1 1/4"	——	1"	——	1.6 GALLONS/FLUSH (MAXIMUM)
URINAL	2"	1 1/2"	1"	——	3/4"	——	
LAVATORY	2"	1 1/2"	3/4"	3/4"	1/2"	1/2"	1 1/2" TRAP & TRAP ARM. INSTALL CLEANOUT IN TRAP.
SINK	2"	1 1/2"	3/4"	3/4"	1/2"	1/2"	INSTALL CLEANOUT IN TRAP
SERVICE SINK	3"	2"	3/4"	3/4"	1/2"	1/2"	
DRINKING FOUNTAIN	2"	1 1/2"	3/4"	——	1/2"	——	
FLOOR DRAIN	3"	2"	1/2"**	——	1/2"**	——	
INSIDE HOSE BIBB	——		3/4"	——	1/2"	——	
SHOWER	2"	1 1/2"	3/4"	3/4"	1/2"	1/2"	PRESSURE BALANCED SHOWER VALVE

* TO WITHIN 5 FEET OF FIXTURE OR CLOSER
** TRAP PRIMER

Gas Water Heater Schedule

UNIT NO.	MFGR.	MODEL NO.	STORAGE GAL.	GAS INPUT (BTUH)	RECOVER RATE GPH *	POWER			REMARKS
						VOLTS	PHASES	AMPS	
WH-1	A.O. SMITH	BTH-150	100	150,000	171	115	1	5.0	INSTALL MUFFLER IN FLUE PIPE
WH-2	A.O. SMITH	BTH-150	100	150,000	171	115	1	5.0	INSTALL MUFFLER IN FLUE PIPE

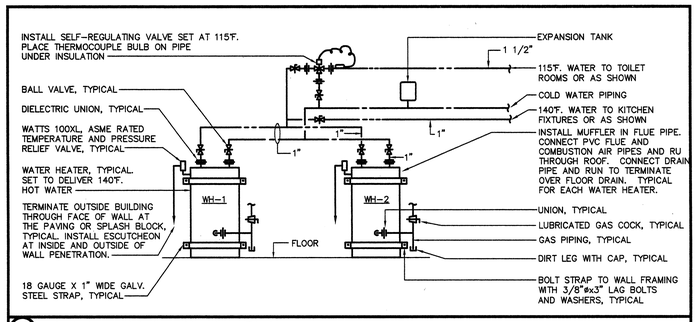
* 100°F RISE

Hot Water Heat Trace Tape Schedule

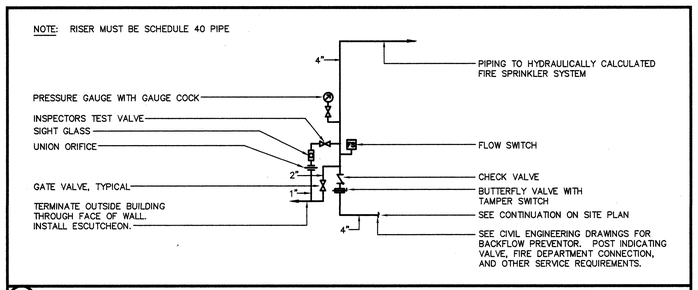
UNIT NO.	MFGR.	MODEL NO.	POWER			WATER HEATER SYSTEM	HEAT TRACE TEMPERATURE	REMARKS
			AMPS	VOLTS	PHASES			
HT-1	RAYCHEM	HWAT-G2	30	208	1	WH-1/WH-2	115°F.	
HT-2	RAYCHEM	HWAT-R2	30	208	1	WH-1/WH-2	140°F.	

General Notes:

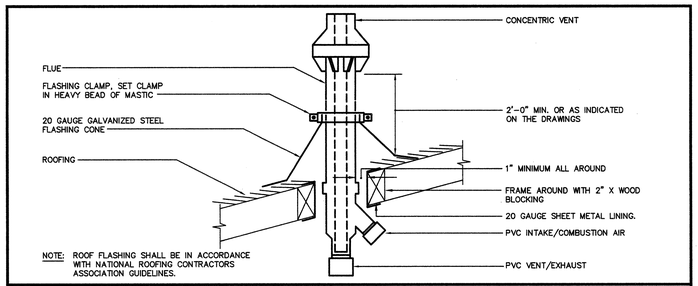
1. NON-REMOVABLE BACKFLOW PREVENTION DEVICE SHALL BE INSTALLED ON ALL EXTERIOR HOSE BIBS. CPC 603.4.7
2. THE MINIMUM SLOPE OF ALL DRAINAGE PIPING TO BE 1/4" PER FOOT. CPC 708
3. PLUMBING VENTS SHALL TERMINATE AT LEAST 10 FEET HORIZONTALLY FROM, AND AT LEAST 3 FEET ABOVE ANY OPENABLE WINDOW, OPENING, AIR INTAKE OR VENT SHAFT - PARTICULARLY AT THE AREA SEPARATION WALL (I.E., THE VENT MUST BE AT LEAST 3 FEET FROM THE PROPERTY LINE). CPC 906.2
4. PRIOR TO BEING CONCEALED, PIPING PENETRATIONS AT FIRE RESISTIVE ASSEMBLIES SHALL BE INSPECTED TO VERIFY COMPLIANCE WITH THE FIRE RESISTANCE RATING. CPC 1505.5
5. ALL EQUIPMENT SHALL BE LISTED BY A NATIONALLY RECOGNIZED TESTING LABORATORY AND PROPERLY LABELED. CEC 110-2



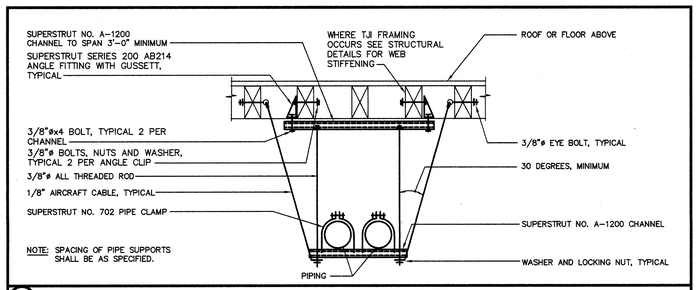
1 Detail - Water Heater Piping NOT TO SCALE



2 Sprinkler Piping Diagram NOT TO SCALE



3 Detail - Flue Through Roof NOT TO SCALE



4 Detail - Piping Support NOT TO SCALE

W.		SOIL OR WASTE PIPING ABOVE FLOOR
W.		SOIL OR WASTE PIPING BELOW GRADE/FLOOR
RWL		RAINWATER LEADER PIPING
V.		VENT PIPING
CW		COLD WATER PIPING
HW		HOT WATER PIPING
G		GAS PIPING
CD		CONDENSATE DRAIN PIPING
F		FIRE PIPING
FD, RD		FLOOR DRAIN, ROOF DRAIN
COTG, FCO		CLEANOUT TO GRADE, FLOOR CLEANOUT
WCO		WALL CLEANOUT
CO		CLEANOUT
VTR		VENT THROUGH ROOF
WC		WATER CLOSET
UR		URINAL
LAV		LAVATORY
SSK		SERVICE SINK
SK		SINK
SH		SHOWER
DF		DRINKING FOUNTAIN
HB		HOSE BIBB
1		DESIGNATION OF SHEET NOTE #1
(E)		EXISTING
(N)		NEW
TYP.		TYPICAL
		GAS COCK
G.V.		GATE VALVE
B.V.		BALL VALVE
CH. V.		CHECK VALVE
		STRAINER
FF		FINISHED FLOOR
INV.		INVERT
EL.		ELEVATION

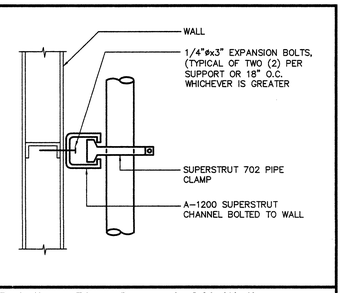
Plumbing Legend

General Note Regarding Fire Sprinklers

IT SHALL BE THE COMPLETE RESPONSIBILITY OF THIS DIVISION TO PROVIDE A NEW FIRE SPRINKLER SYSTEM AS REQUIRED TO COMPLY WITH NFPA 13 AND THE REQUIREMENTS OF THE LOCAL BUILDING AND FIRE DEPARTMENTS. PROVIDE COMPLETE HYDRAULIC CALCULATIONS TO SHOW COMPLIANCE WITH NFPA 13 AND ALL STATE AND LOCAL CODES. THE FIRE PROTECTION CONTRACTOR SHALL PROVIDE SHOP DRAWINGS SHOWING THE LOCATIONS OF ALL SPRINKLER HEADS, SPRINKLER RISER, WATER SERVICE, AND ALL INTERIOR DISTRIBUTION PIPING. DRAWINGS AND CALCULATIONS SHALL BE REVIEWED AND APPROVED BY THE FIRE DEPARTMENT AND THE ARCHITECT PRIOR TO STARTING ANY CONSTRUCTION. ALL DRAWINGS AND CALCULATIONS SHALL BE SIGNED BY A LICENSED FIRE SPRINKLER CONTRACTOR.

THE FIRE SPRINKLER SYSTEM MUST BE FULLY SUPERVISED BY FLOW AND TAMPER SWITCHES THAT ARE CONNECTED TO A FIRE ALARM SYSTEM.

THE HYDRAULIC CALCULATIONS AND DESIGN DRAWINGS NEED TO BE SIGNED BY A FIRE PROTECTION ENGINEER WHO IS LICENSED IN THE STATE OF CALIFORNIA.



5 Detail - Pipe Support Off Wall NOT TO SCALE

MECHANICAL PLUMBING FIRE PROTECTION
LEFLER ENGINEERING, INC.
1651 Second Street
San Rafael, CA 94901
(415) 456-4220 (415) 456-1248 fax

REGISTERED PROFESSIONAL ENGINEER MICHAEL J. LEFLER Exp. 12-31-05 No. 22,208 MECHANICAL STATE OF CALIFORNIA
4/15/05

MOUNTAIN VIEW SENIOR CENTER
266 ESCUELA AVE
MOUNTAIN VIEW, CA

DATE: APRIL 18, 2005

REVISIONS:

CONSTRUCTION SET

SHEET TITLE:

PLUMBING SCHEDULES, LEGEND, DETAILS & NOTE

DRAWN BY: MN
CHECKED BY: MJL
JOB NO: 0314.10

SHEET P1.1

Plot Date: April 15, 2005 - 7:41 am
File Name: P:\Jobs\Mountain View Senior Center\P1-1.dwg